



# San Diego County - Imperial County REGIONAL COMMUNICATION SYSTEM

## AIRWAVES

## DECEMBER, 1998

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Chief Dennis Van Der Maaten  
Carlsbad Fire Department  
Tel: (760) 931-2141; Fax: (760) 929-0256

#### Vice Chair

Assistant Sheriff Tom Zoll  
San Diego Sheriff's Department  
Tel: (619) 974-2264; Fax: (619) 974-2304

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Chief Charles Beard  
El Centro Fire Department  
Tel: (760) 337-4530; Fax: (760) 337-4539

Chief John Jordan  
Holtville Police Department  
Tel: (760) 356-2991; Fax: (760) 356-4253

David Crockett, CAO's Office  
County of Imperial  
Tel: (760) 339-4290; Fax: (760) 352-7876

Dan Eberle, Executive Director  
Office of Disaster Preparedness  
County of San Diego  
Tel: (619) 565-3490; Fax: (619) 565-3499

Larry Jackman, Director  
Heartland Communications Facility JPA  
Tel: (619) 548-1920; Fax: (619) 593-2973

Chief Darrell Jobs  
East County Fire Protection District  
Tel: (619) 579-6034; Fax: (619) 579-1148

Dan Johnson, Project Chief  
CALTRANS Special Projects  
Tel: (916) 654-7273; Fax: (916) 654-3862

Chief Roger Purdie  
Vista Fire Department  
Tel: (760) 726-2144; Fax: (760) 726-0852

Chief Robert Vales  
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Tel: (760) 932-2131; Fax: (760) 931-8473

Chief Erwin Willis  
North County Dispatch JPA  
Tel: (619) 756-5971; Fax: (619) 756-4799

### RCS PROJECT OFFICE STAFF

Tel: (619) 694-3663  
Fax: (619) 694-3433

Curt Munro  
Communication Systems Manager

Tim Thomas  
Microwave Section Supervisor

Stu Tant  
Radio Services Supervisor

Victor Adame  
Accounting

Cynthia Pangilinan  
Office Tasks

## PROJECT IMPLEMENTATION STATUS—FROM DREAM TO REALITY

What started as a dream in 1992 has finally become a reality. The RCS voice and data wireless networks became operational in June 1998. Since the contract was signed with Motorola in late 1995, thousands of hours of dedicated effort have resulted in the construction of 43 radio repeater sites located throughout the 4,500 sq. miles of San Diego County. The County of Imperial, CALTRANS and the City of El Centro are cooperatively planning to complete several other sites at their expense to complete basic coverage in Imperial County. When their work is completed in the second half of 1999, the RCS will effectively cover a distance of 185 miles from west to east – approximately 10,000 sq. miles.

RCS staff and Motorola exhaustively tested the coverage to ensure the contract requirement of 95% of the roadway network was achieved. The test revealed that Motorola exceeded the contract requirement: over 97% of the roadway network is now within the coverage of the RCS. The testing was conducted with radio equipment that utilized Global Positioning Satellites providing accurate longitude and latitude information to ensure that test teams were in the appropriate 1/4 mile grid element. Once confirmed, special computer software triggered a radio transmission. The strength of that signal determined whether the grid element passed or failed the test. This sophisticated, objective radio coverage model was important for the purpose of ensuring contract compliance, but other proof of excellent coverage is subjectively measured by the people using the RCS.

Beginning in June 1998, nearly 6,000 user radios have become operational on the voice network. User departments from throughout the County are presently using the RCS as their primary wireless communications link. Those users have repeatedly confirmed that the RCS provides better coverage than they have had in the past. County of San Diego RCS staff and a training staff from the San Diego Sheriff's Department will be continuing the transition effort for the remaining users through June 1999.

Now another major milestone has been achieved. Motorola has satisfactorily completed their responsibilities under the contract and on December 16, 1998, the RCS Board of Directors acted on the recommendation of the Project Manager to approve Final Acceptance of the network. Although this signifies completion of the original contract work, Motorola will still be present working with County staff to complete additional contracted work related to the RCS, including network changes on Palomar Mountain and San Onofre and other reengineering work that was negotiated separately from the original contract.

The scope of the contract changed during implementation due to technical considerations, but the changes have not caused an increase in the overall project cost of \$83,405,973. Following final acceptance, Motorola will have received a total of \$49,595,004.42, inclusive of changes documented in six contract amendments. The remaining project monies are being spent on non-RCS network related technology components.

## RCS CUSTOMERS

Following is a list of departments/agencies/companies in San Diego County only who are currently RCS customers or who have agreed to become RCS customers in the near future. Departments in Imperial County (28, plus a dispatch center) have not been included. There are also six dispatch centers on the RCS in San Diego County.

(\* Transition Not Complete or Not Started)

City of Encinitas		City of Carlsbad		74.	American Medical Response
1.	Law	33.	Law	75.	Ramona Fire
2.	Fire/EMS	34.	Fire/EMS	76.	Balboa Ambulance
3.	Lifeguard	35.	Lifeguards	77.	Care Ambulance
4.	Public Works	36.	Public Works	78.	Coronado Fire EMS
City of Solana Beach		37.	Boulevard Fire	79.	Bowers Ambulance
5.	Law	38.	Campo Fire	80.	Schaefer Ambulance
6.	Fire/EMS	39.	Elfin Forest Fire	81.	STAT Ambulance
7.	Lifeguard	40.	Intermountain Fire	82.	Sycuan Ambulance
8.	Public Works	41.	Mt. Laguna Fire	83.	Barona Ambulance
City of Del Mar		42.	Ocotillo Wells Fire	84.	County EMS (CSA 17)
9.	Law	43.	Palomar Mountain Fire	85.	American Ambulance
10.	Fire/EMS	44.	Pine Valley Fire	86.	Scripps La Jolla
11.	Lifeguard	45.	Ranchita Fire	87.	Tri City Medical Center
12.	Public Works	46.	Rural Fire	88.	UCSD Medical Center
City of San Marcos		47.	San Pasqual Fire	89.	Scripps Chula Vista
13.	Law	48.	Shelter Valley Fire	90.	Grossmont Hospital
14.	Fire/EMS	49.	Sunshine Summit Fire	91.	Palomar Medical Center
15.	Public Works	50.	Warner Springs Fire	92.	Sharp's Memorial
City of Vista		51.	Alpine Fire	93.	Children's Hospital
16.	Law	52.	Bonita-Sunnyside Fire	94.	Naval Medical-San Diego
17.	Fire/EMS	53.	Borrego Springs Fire	95.	Naval Medical-Pendleton
18.	Public Works	54.	East County Fire	96.	VA Hospital
City of El Cajon		55.	Lakeside Fire	97.	Thornton Hospital
*19.	Law	56.	North County Fire	98.	Sharp's Chula Vista
*20.	Fire/EMS	57.	Rancho Santa Fe Fire	99.	Cabrillo Hospital
*21.	Public Works	58.	San Miguel Fire	100.	Scripps Encinitas
City of Poway		59.	Vista Fire Prot. District	101.	Scripps East
22.	Law	County Departments		102.	Pomerado Hospital
23.	Public Works	*60.	Agriculture	103.	Paradise Valley Hospital
City of Santee		*61.	Animal Control	104.	Mission Bay Hospital
24.	Law	62.	Information Services	105.	Kaiser Hospital
25.	Fire/EMS	63.	District Attorney	106.	Fallbrook Hospital
26.	Public Works	*64.	General Services	107.	Coronado Hospital
City of Lemon Grove		*65.	Health Services	108.	Alvarado Hospital
27.	Law	66.	Marshal	*109.	CALTRANS, District 11
28.	Fire/EMS	67.	Medical Examiner	110.	CDF (partial involvement)
29.	Public Works	*68.	Disaster Preparedness	*111.	Cajon Valley School District
City of Imperial Beach		*69.	Parks & Recreation	*112.	Grossmont School District
30.	Law	*70.	Planning & Land Use	*113.	Poway Unified School Dist.
31.	Fire/EMS	*71.	Probation	*114.	Vista Unified School District
32.	Public Works	*72.	Public Works	115.	Olivenhain Water District
		*73.	Sheriff's Department	116.	Rancho Santa Fe Patrol